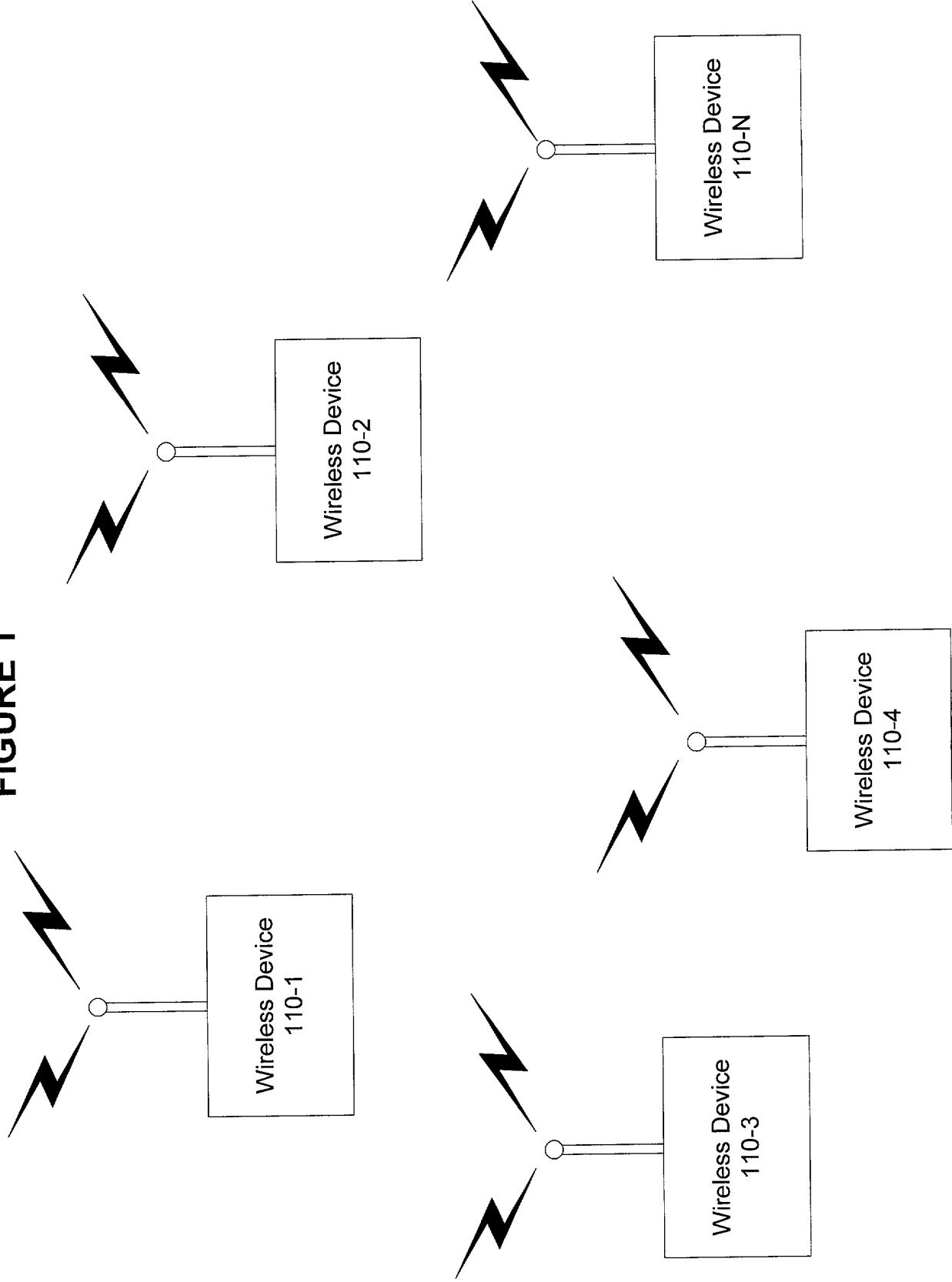


FIGURE 1



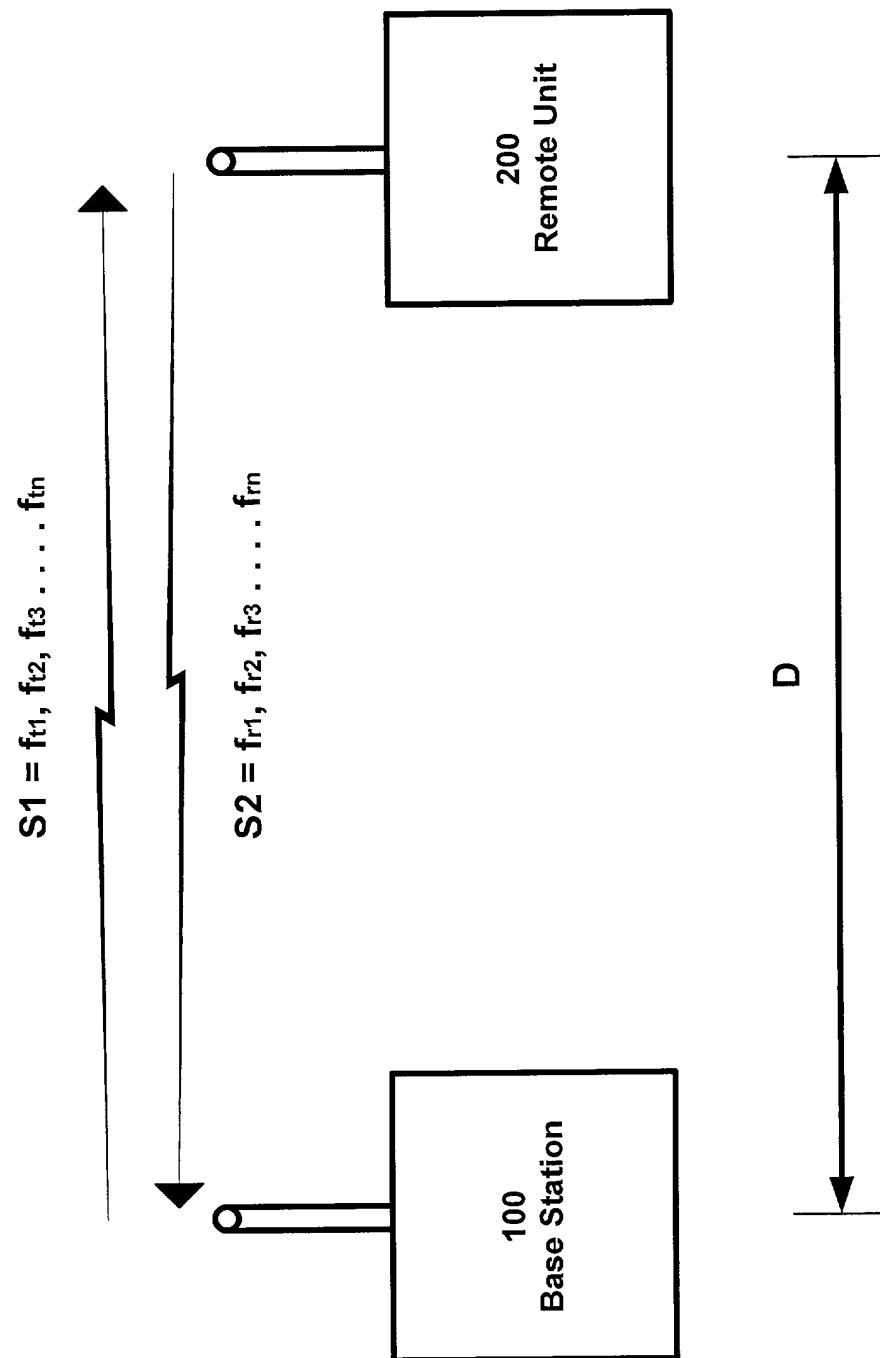


Fig. 2

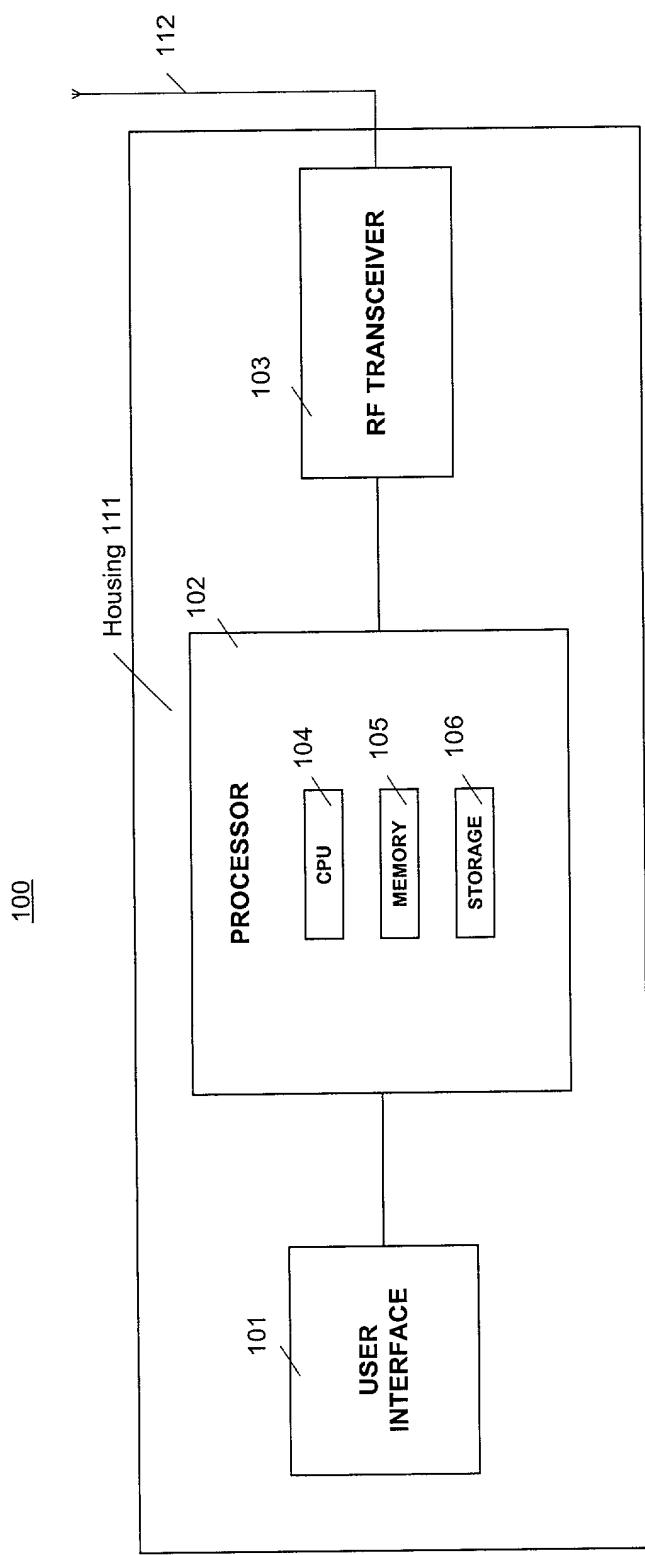


FIG. 3A

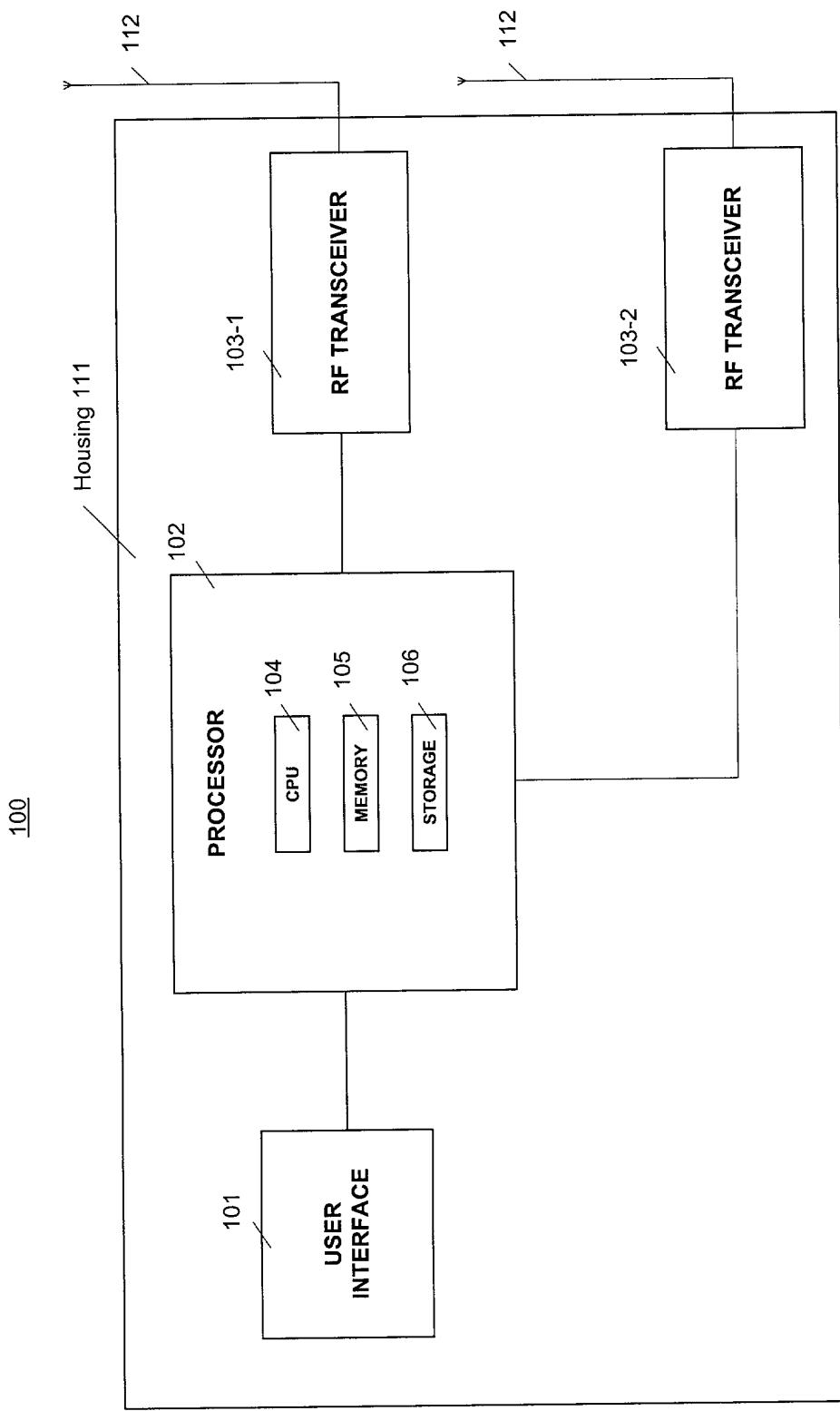


FIG. 3B

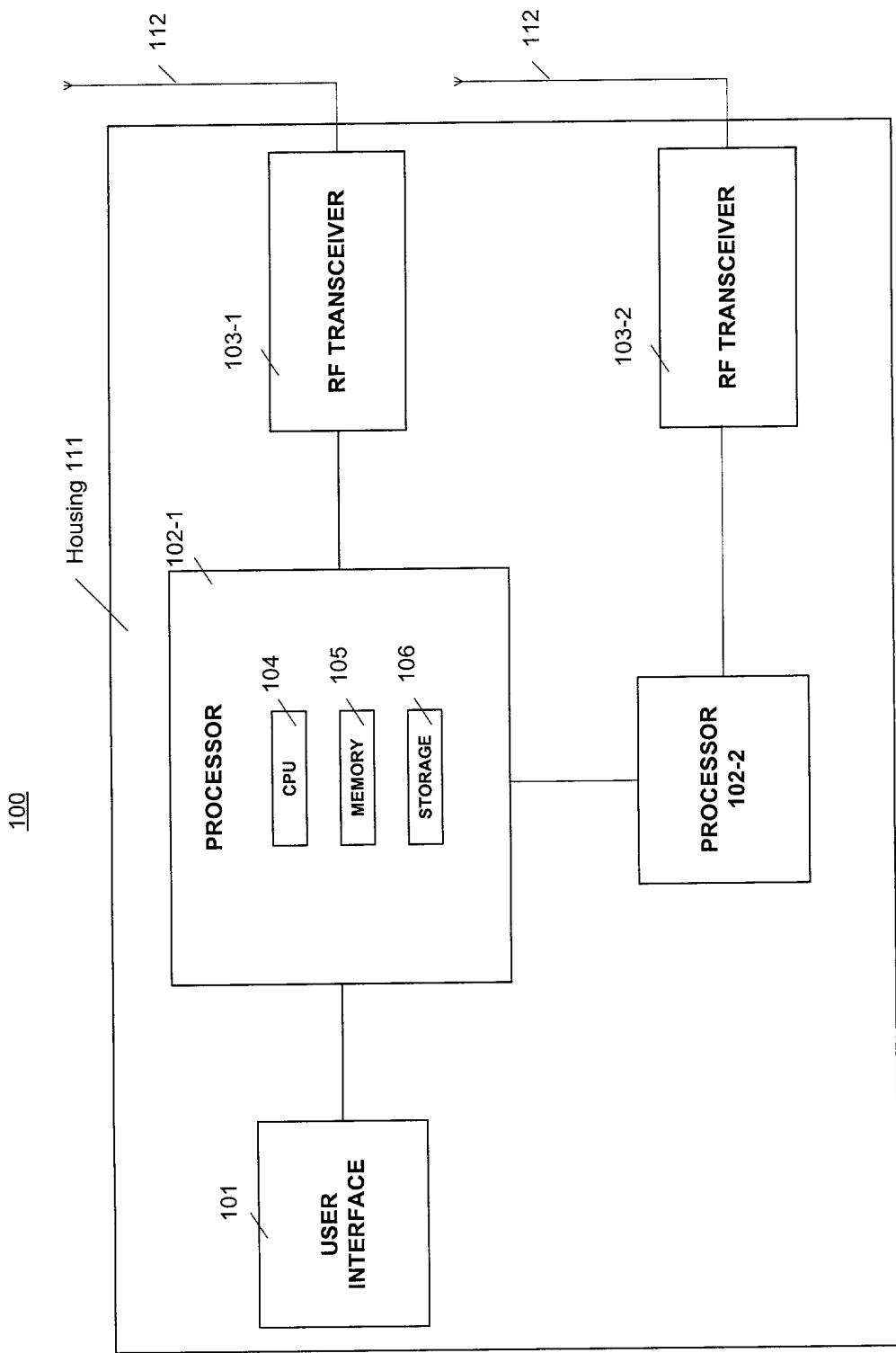


FIG. 3C

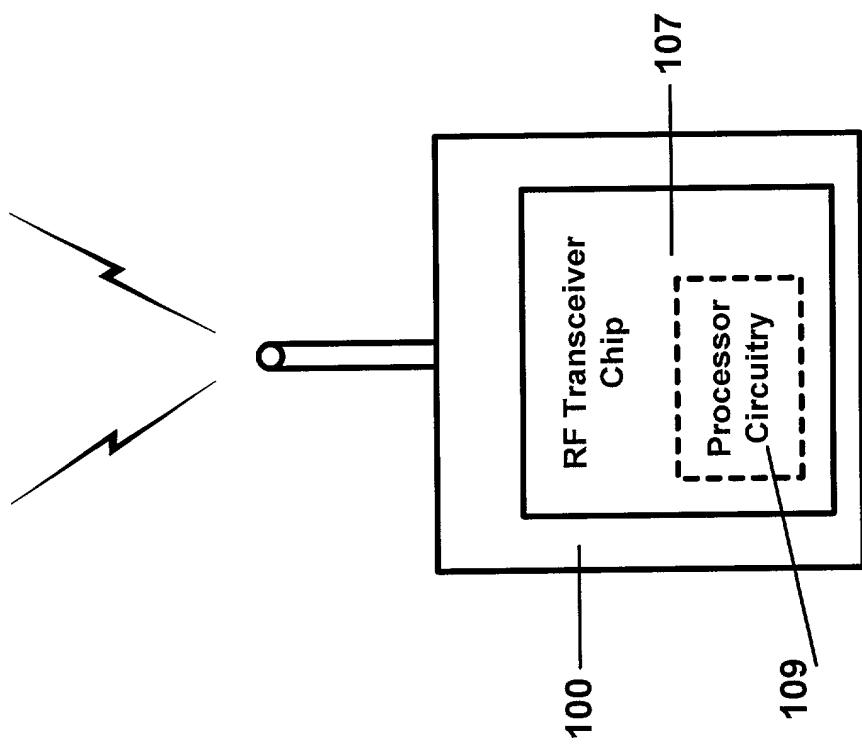


Fig. 4B

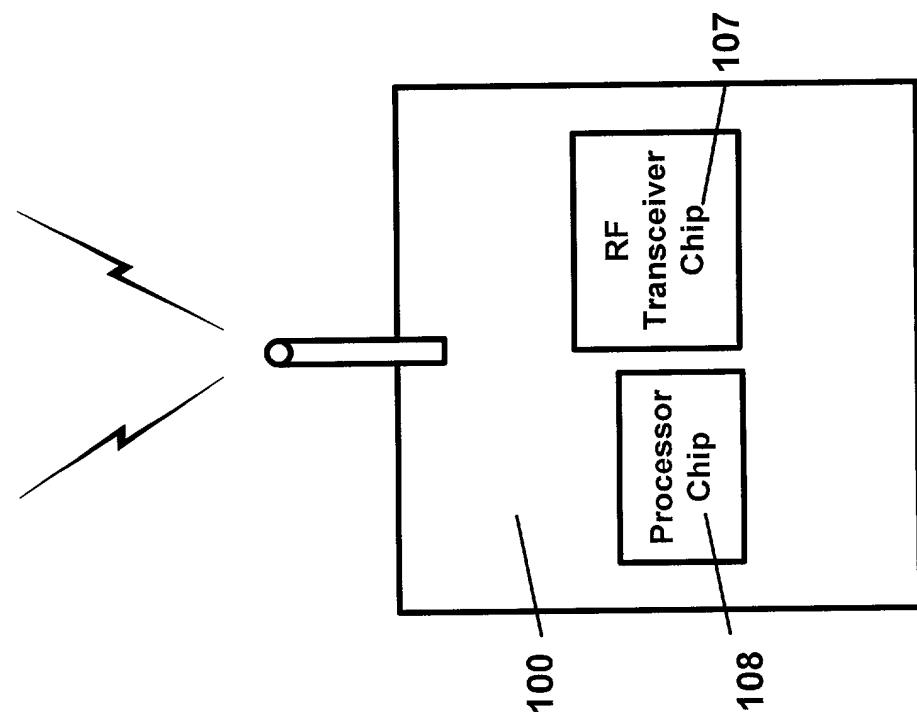


Fig. 4A

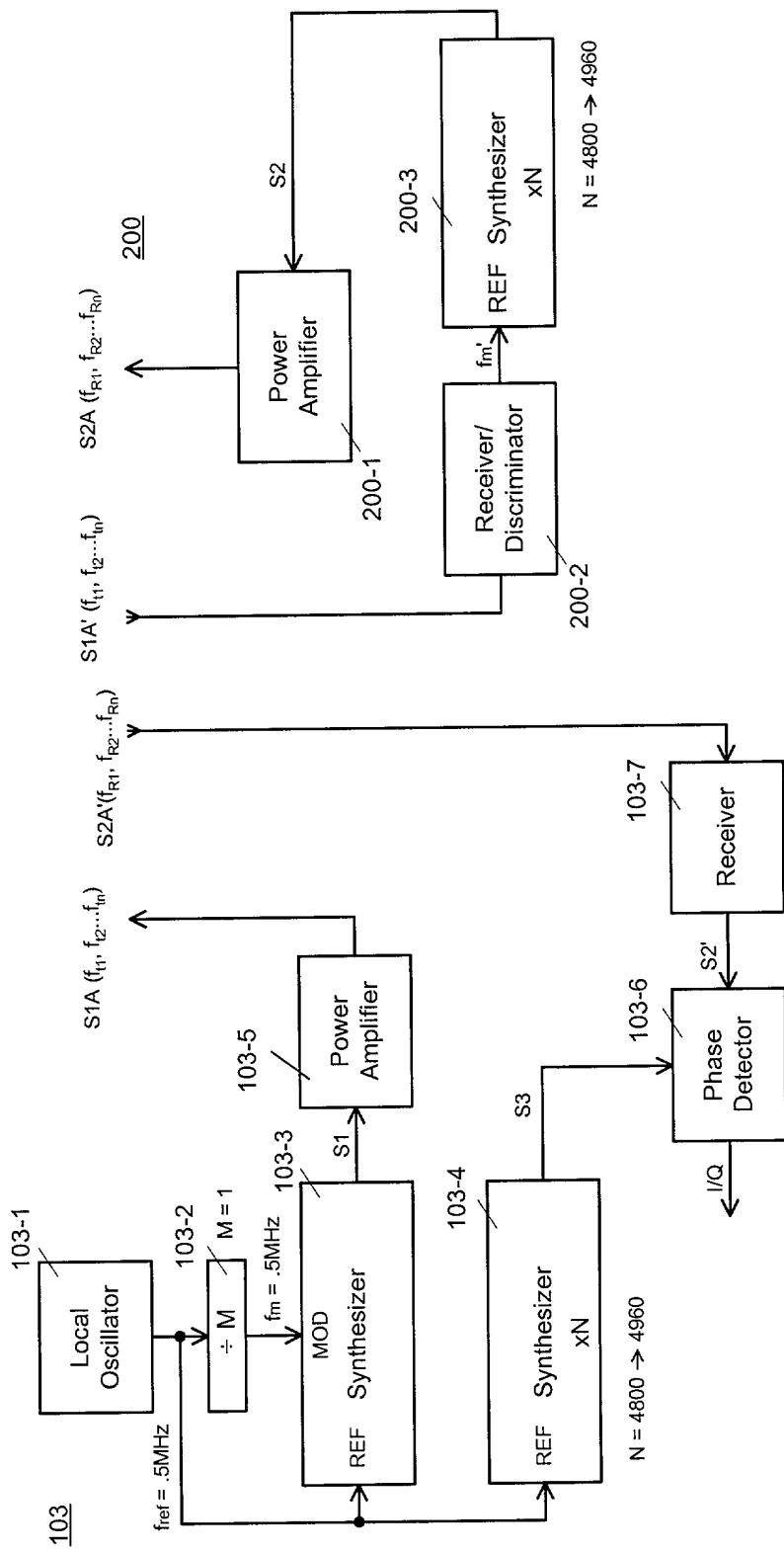


FIG. 5

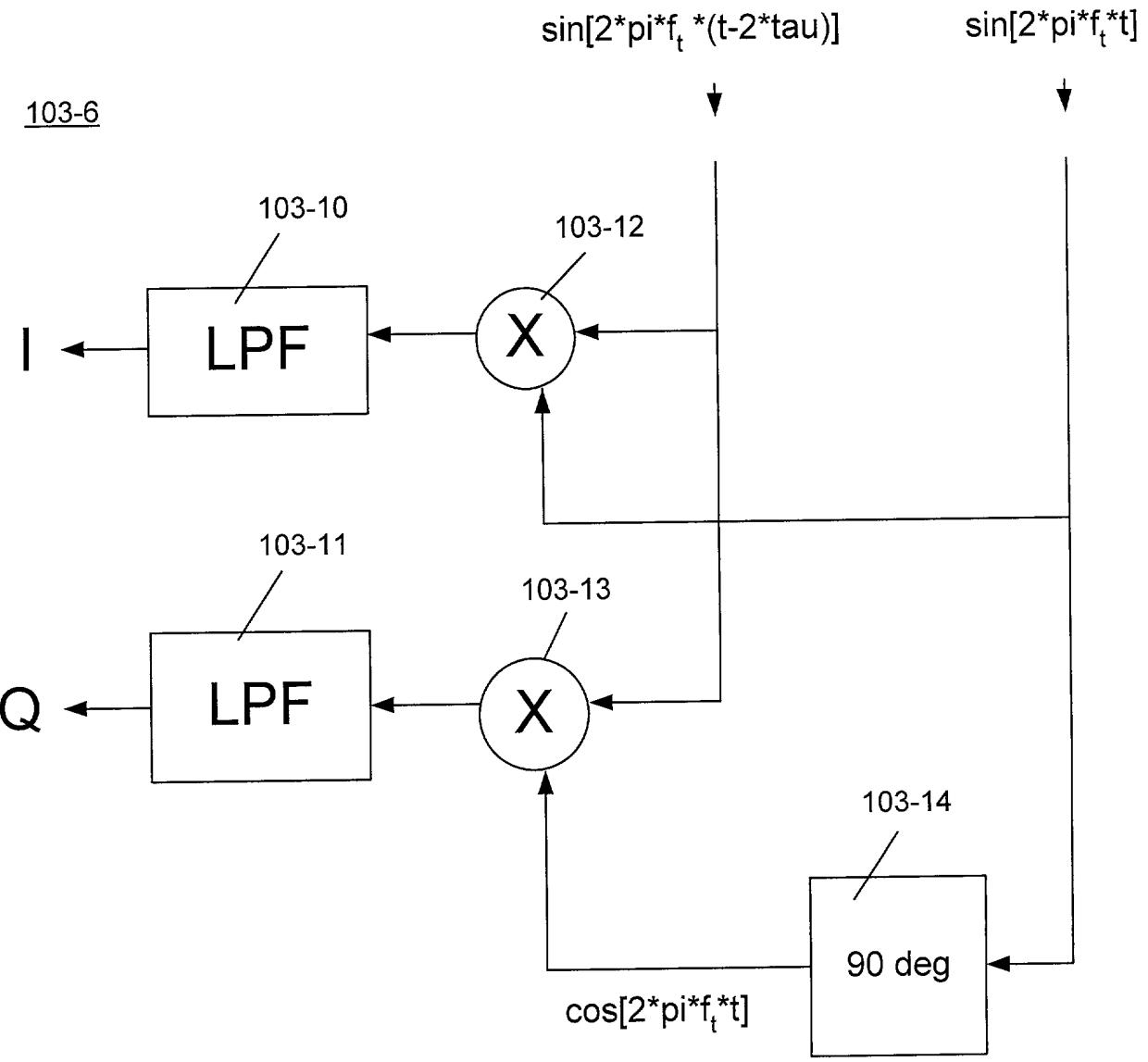


Fig. 6

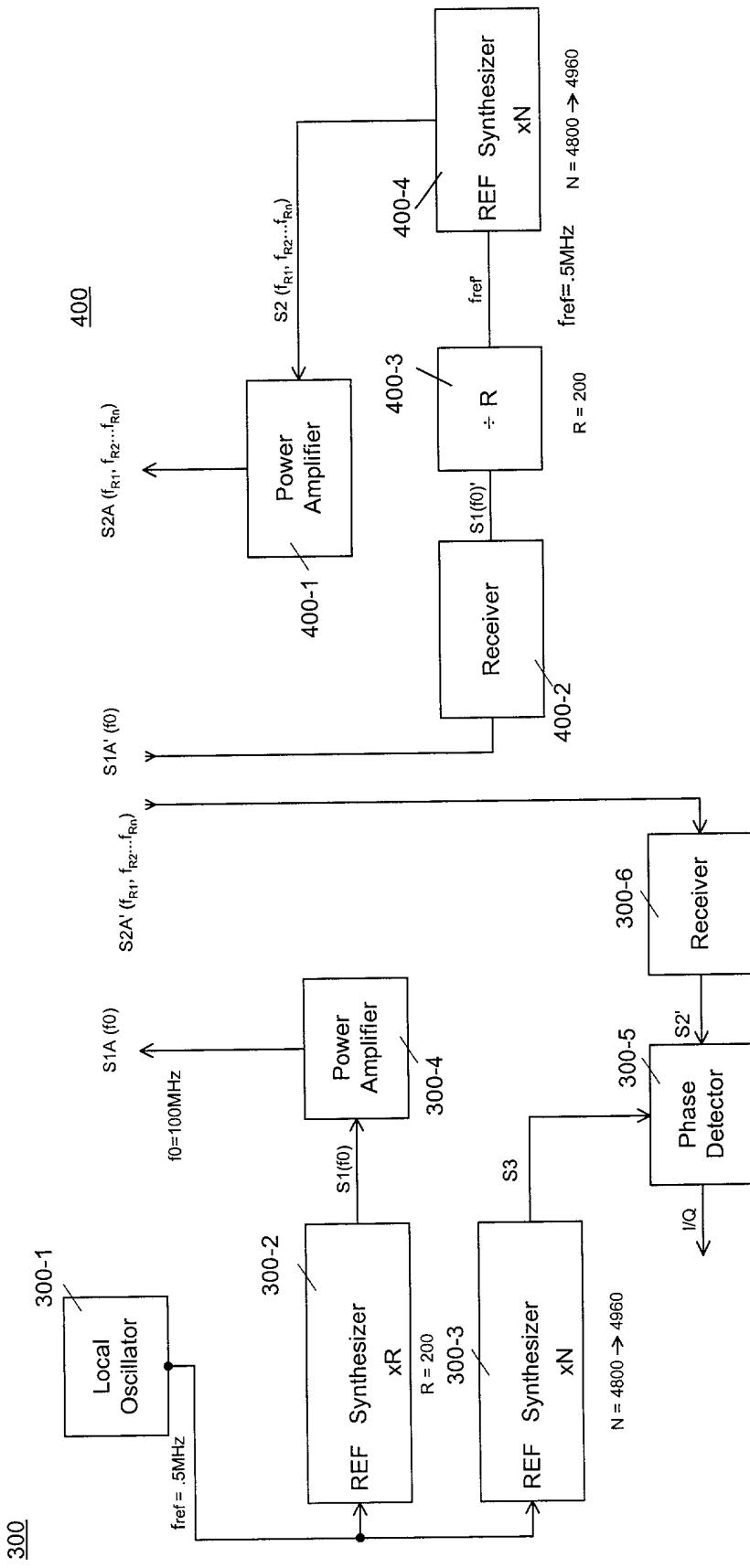
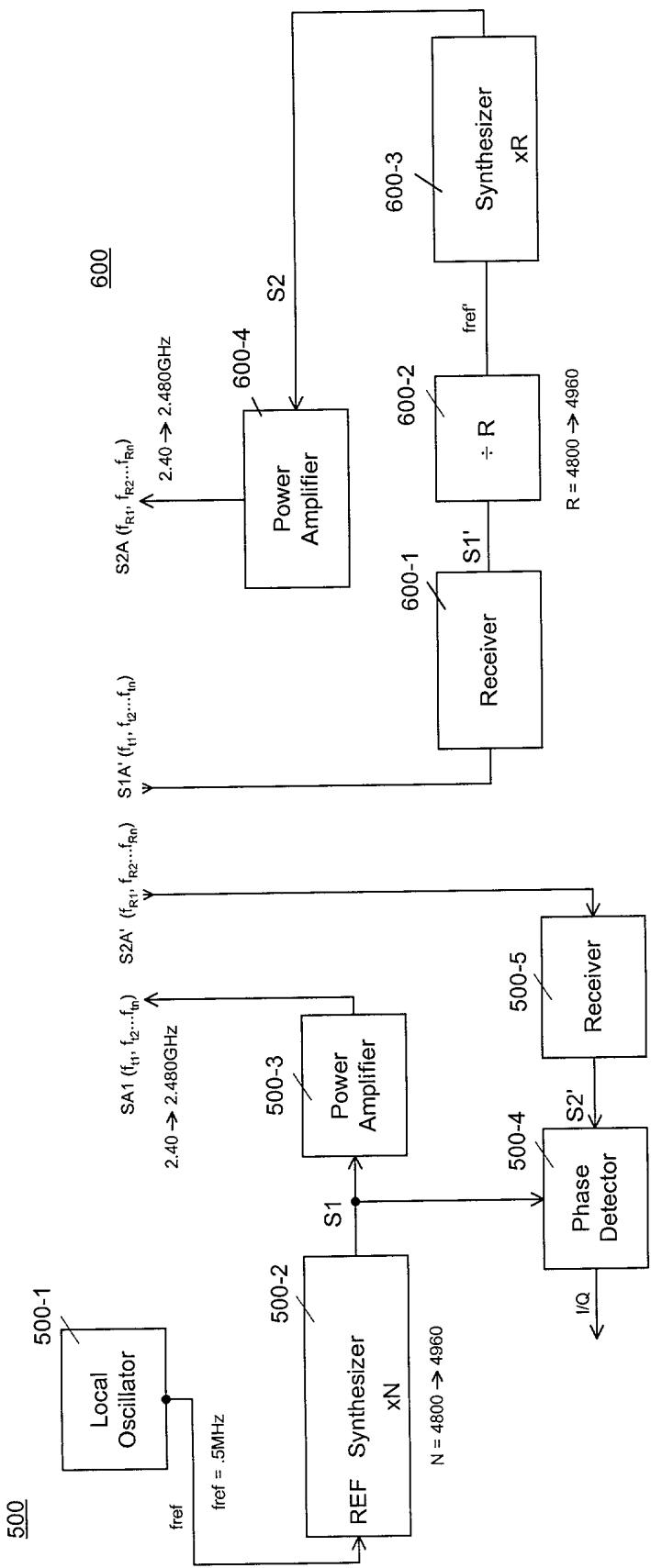


FIG. 7



BASE STATION

REMOTE STATION

FIG. 8

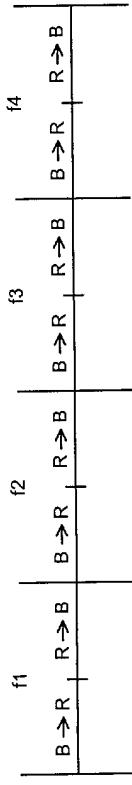


FIG. 9

Figure 10A

Amplitude vs. Frequency
Direct path = 20ns, echo = 80ns.

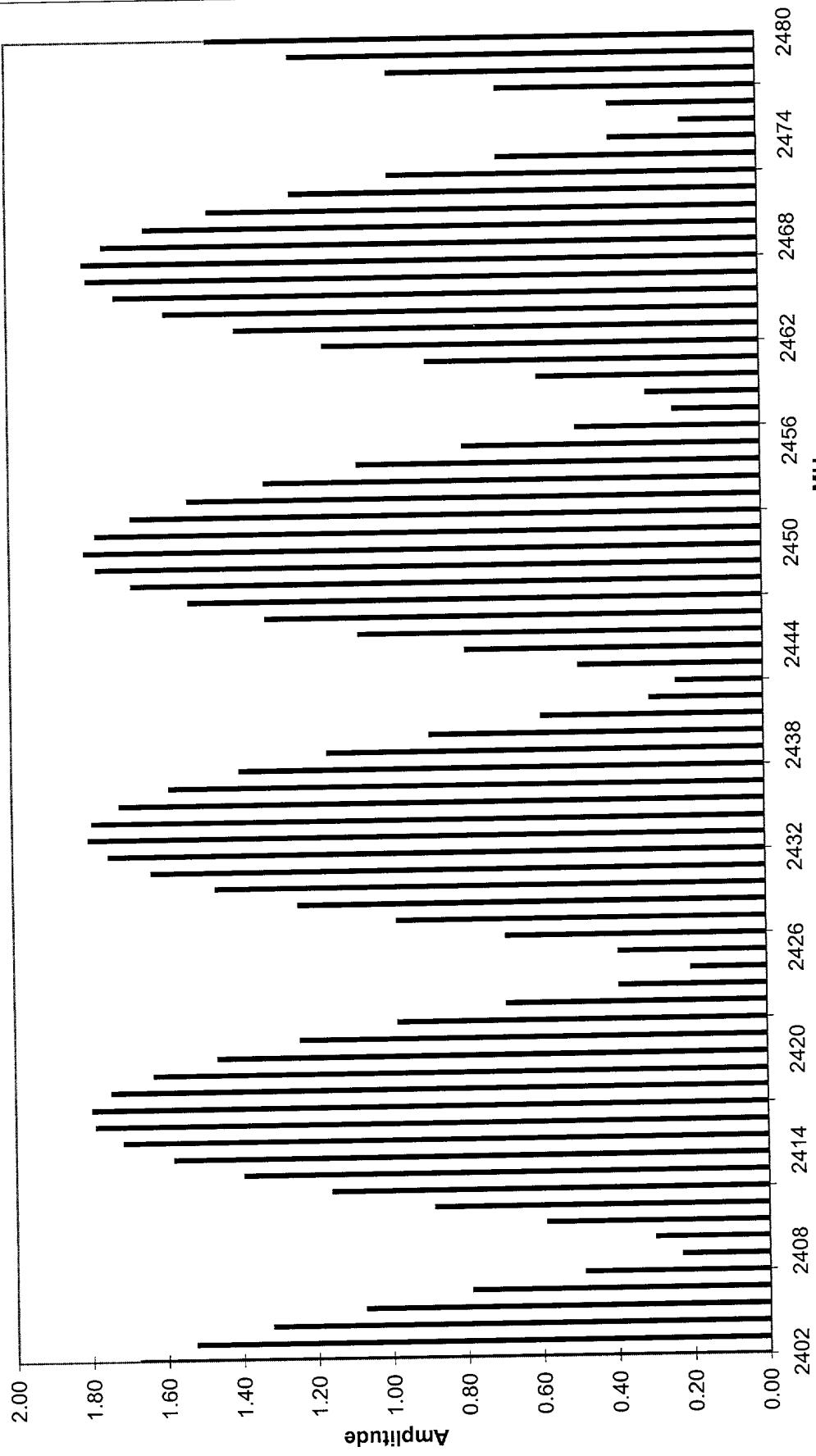


Figure 10B
Phase shift vs. Frequency
Direct path = 20ns, echo = 80ns.

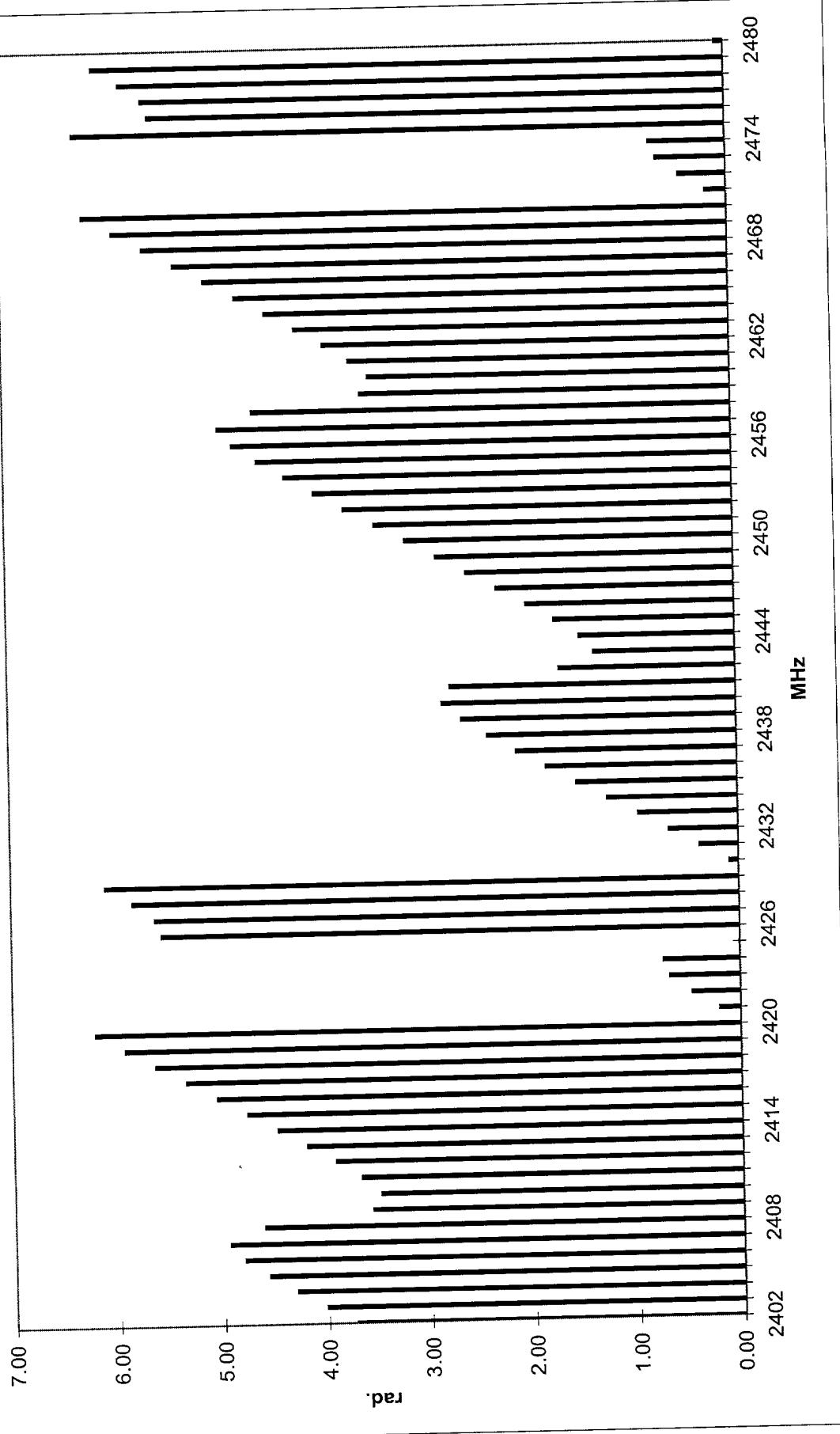
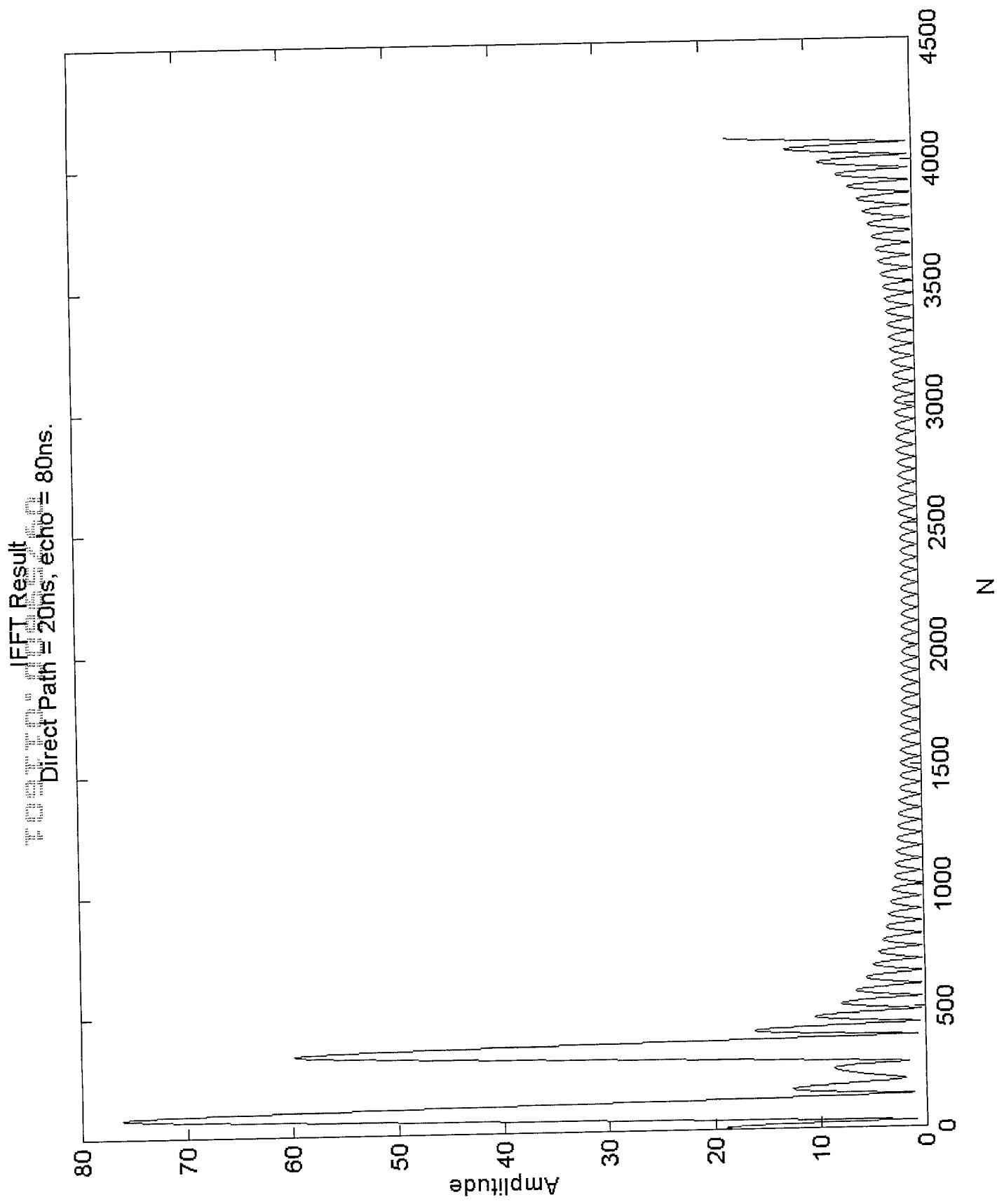


FIGURE 10C



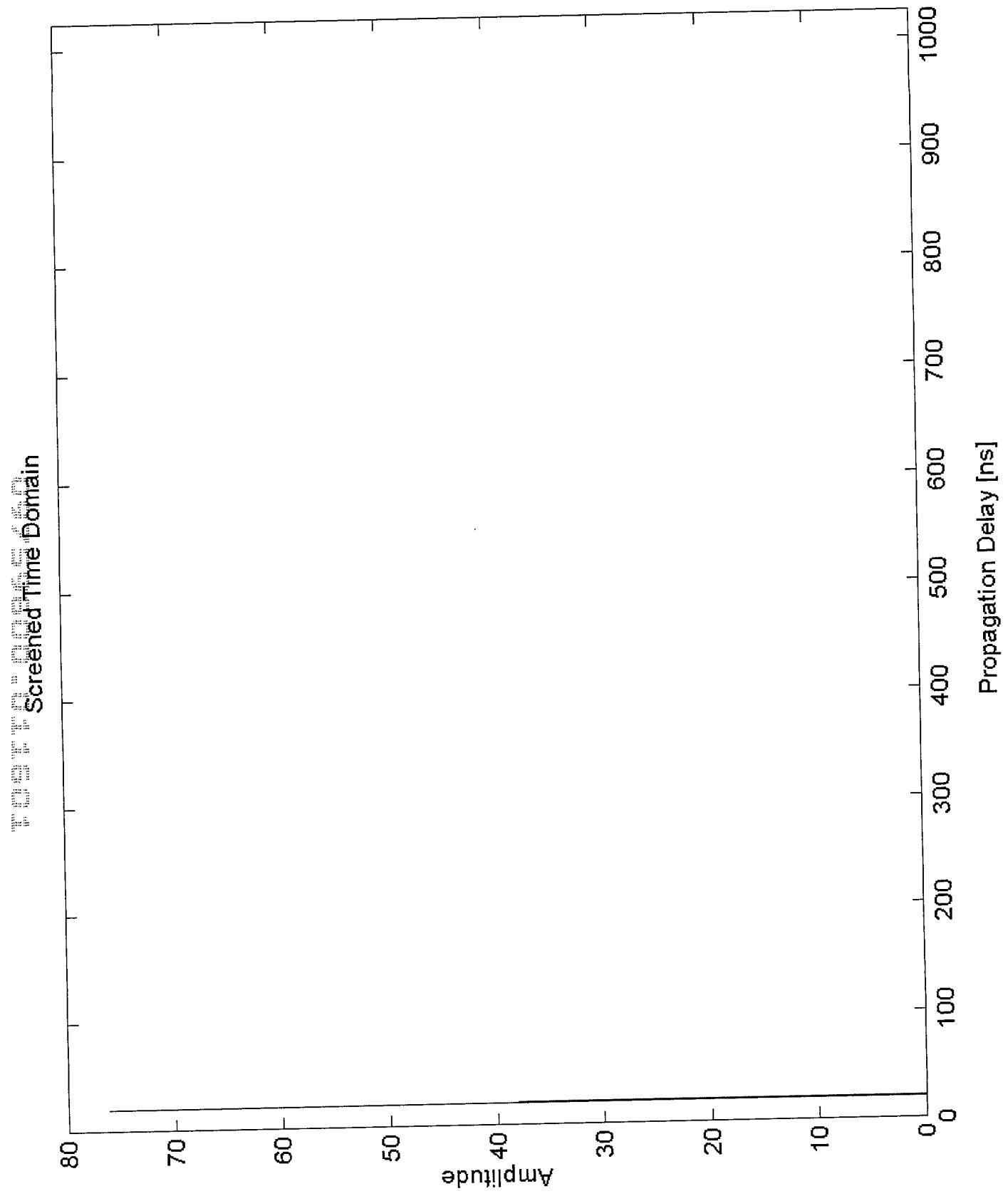


FIGURE 10D

FIGURE 10E

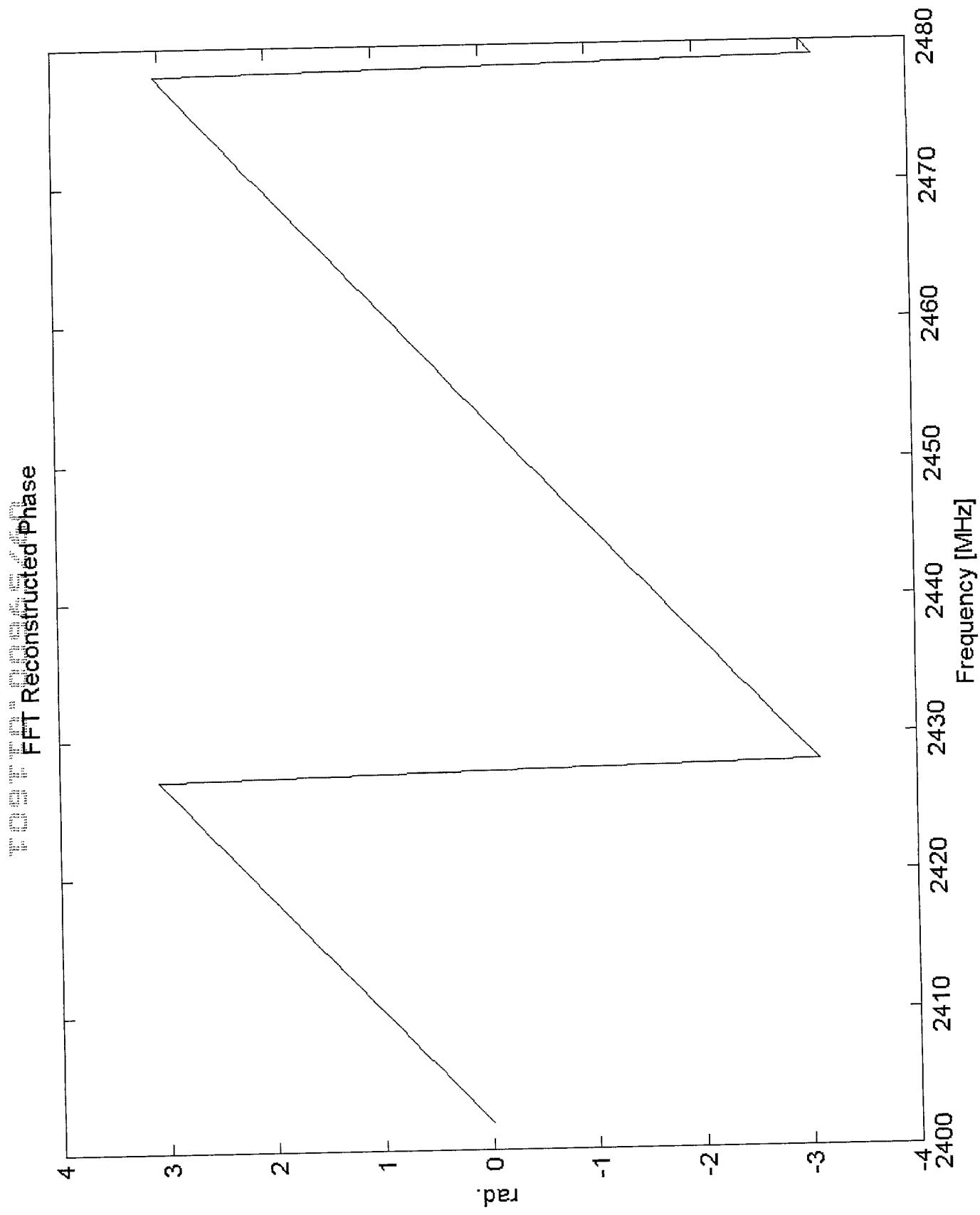


Figure 11A
Direct path = 20ns, echos = 80ns,120ns.

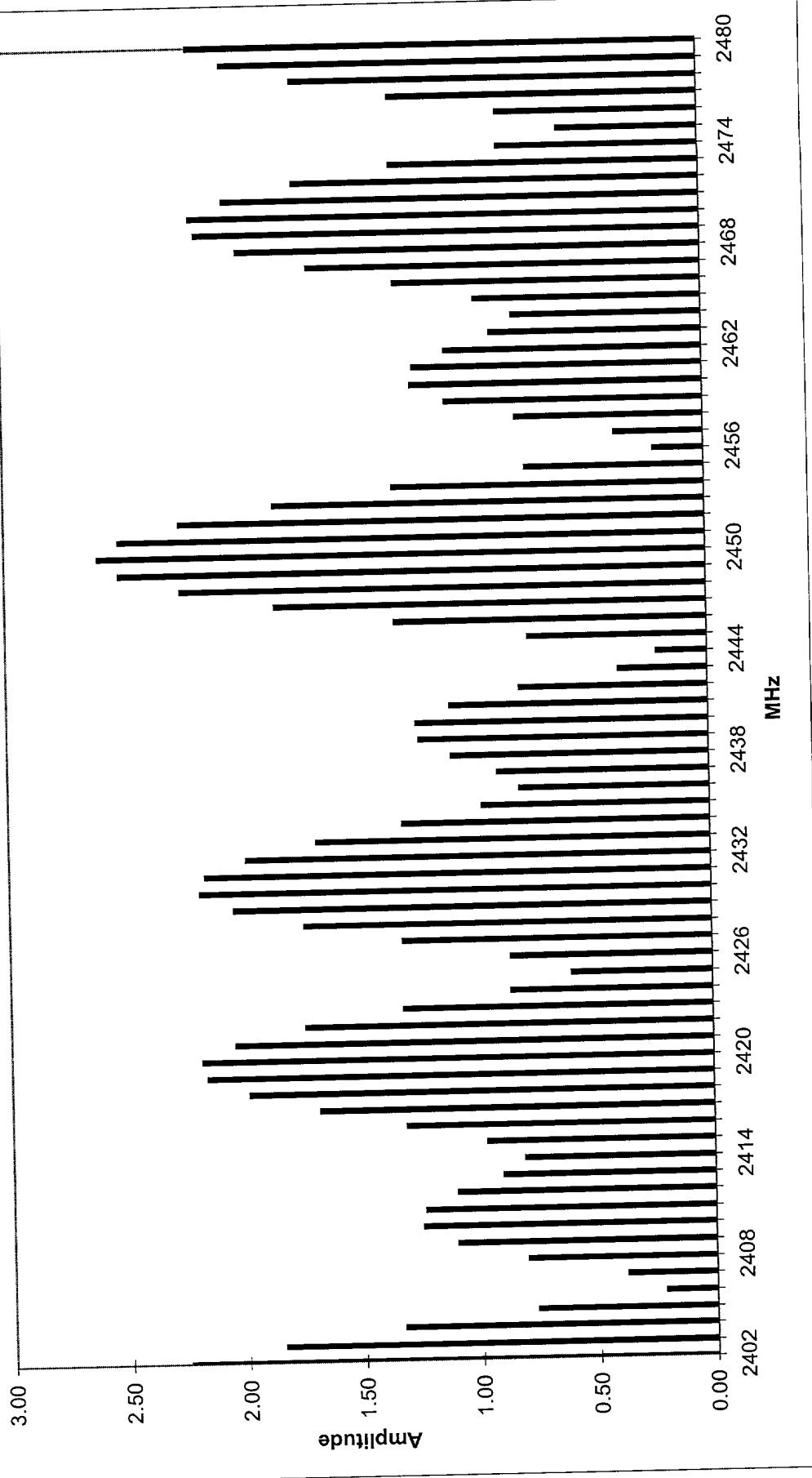
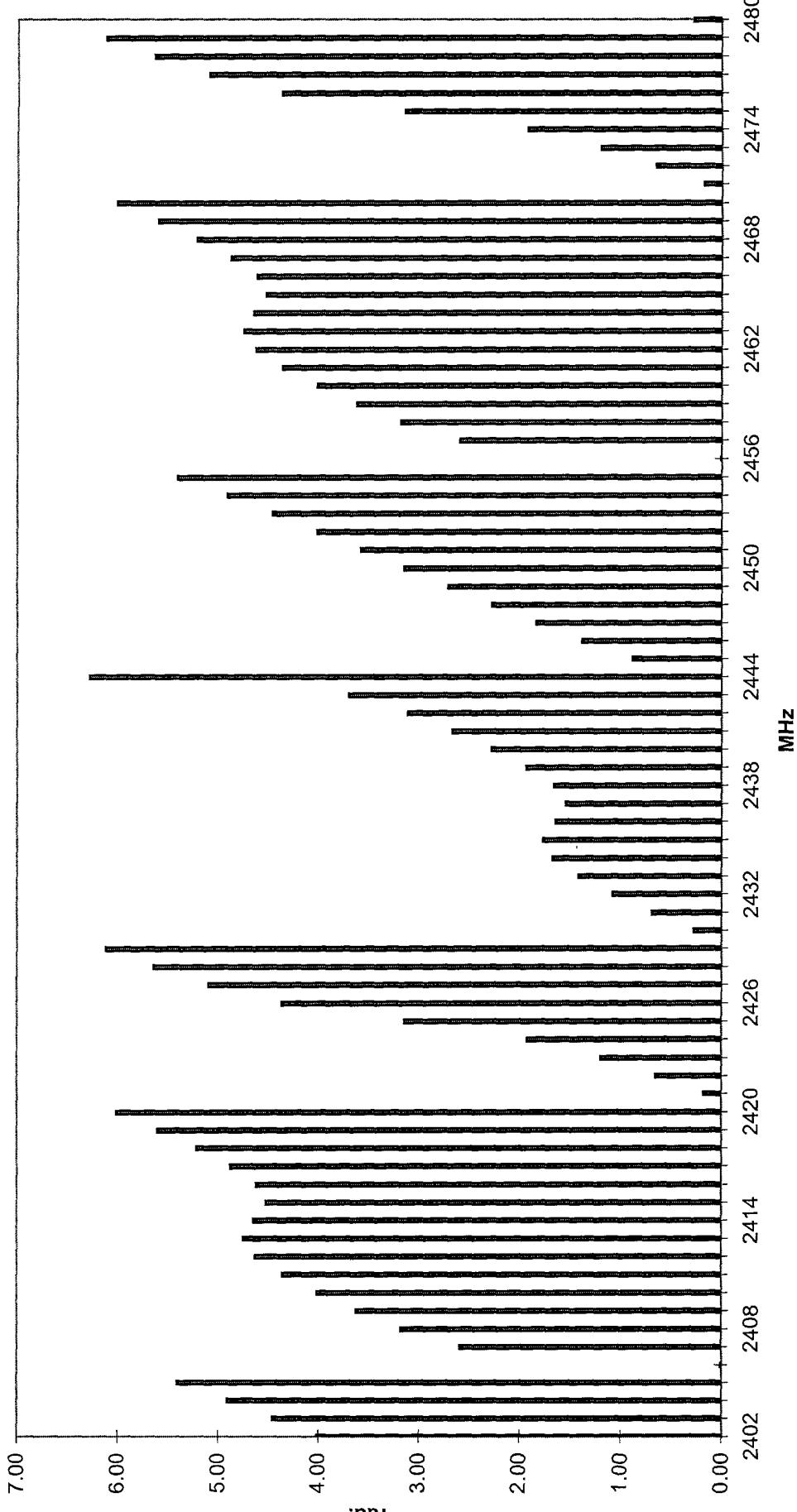


Figure 11B

Phase shift vs. Frequency
path = 20ns, echos = 80ns, 120ns.

Direct



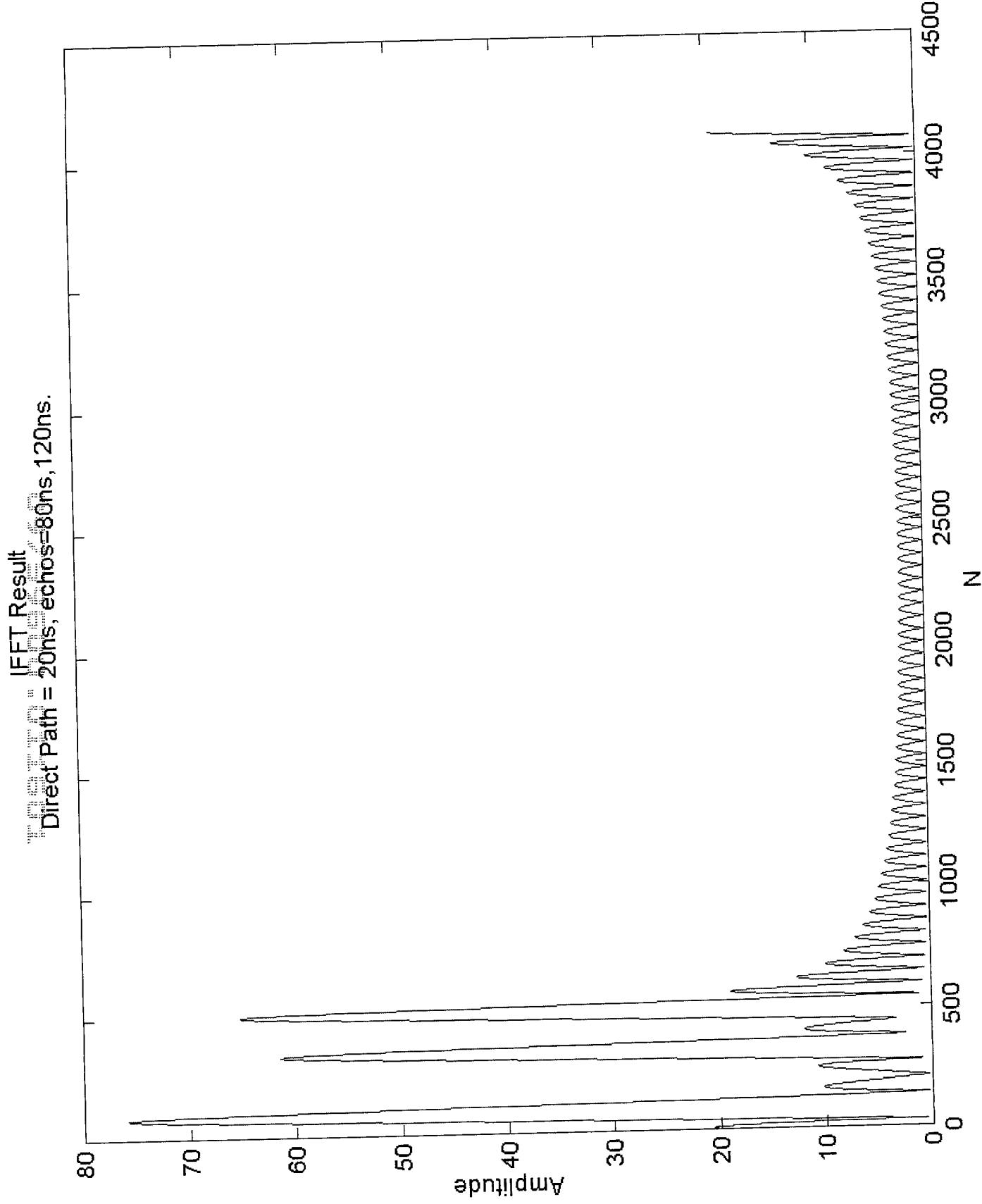


FIGURE 11C

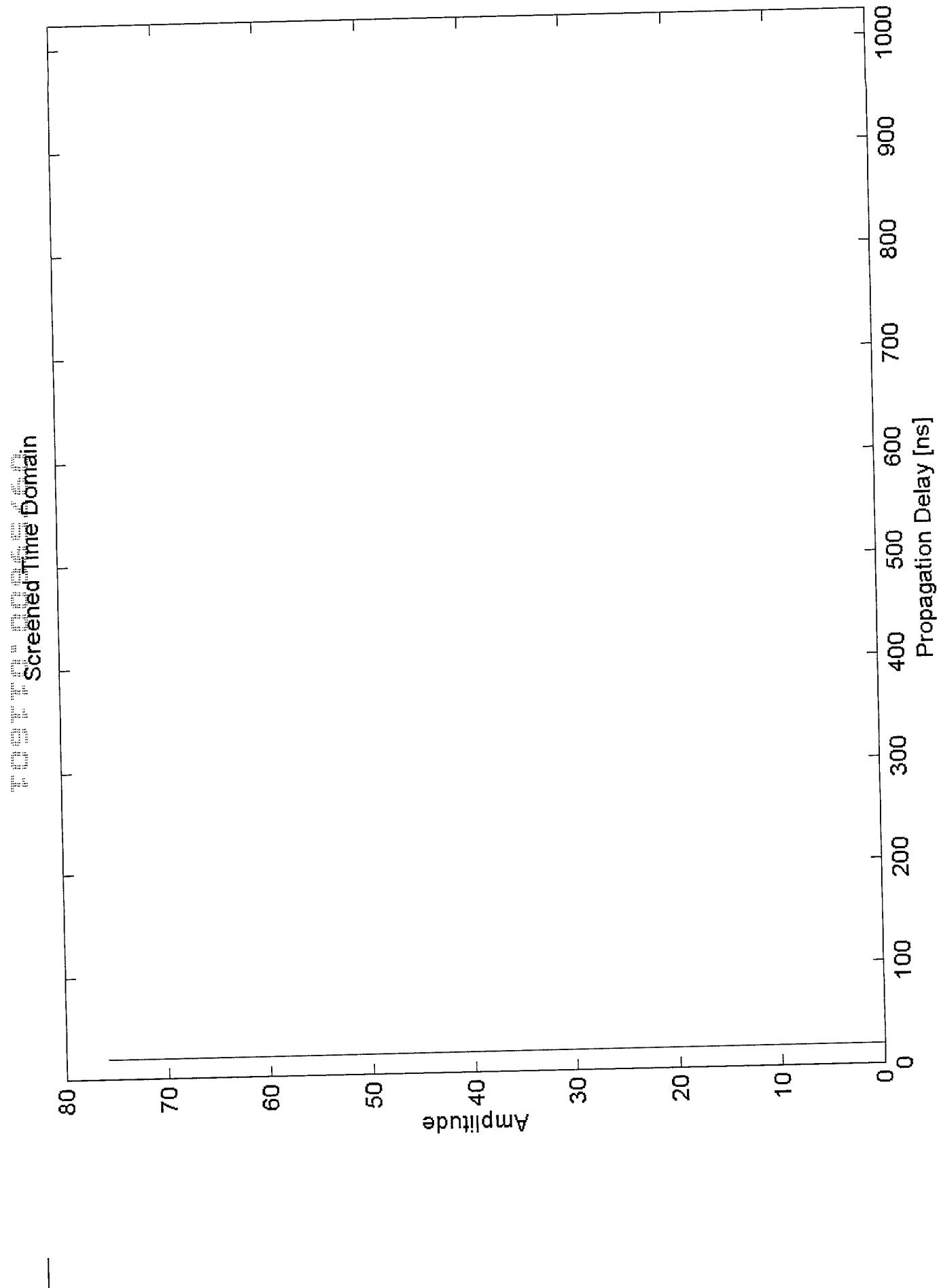


FIGURE 11D

FIGURE 11E FFT Reconstructed Phase

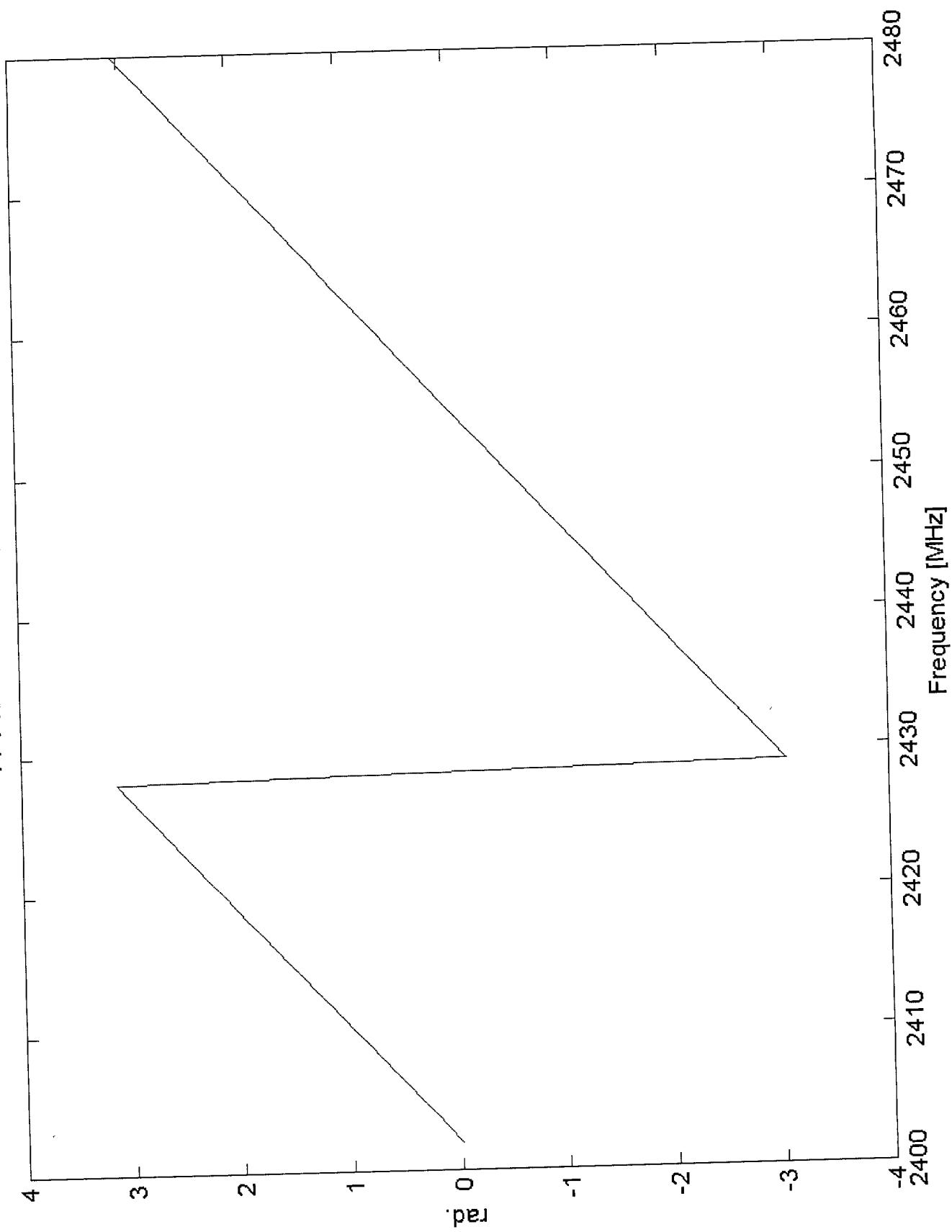


FIGURE 11E

FIGURE 12

